



MODEL: PJ-068B-SMT-TR | DESCRIPTION: DC POWER JACK

FEATURES

- mid mount for low profile applications
- fully shielded
- high current rating



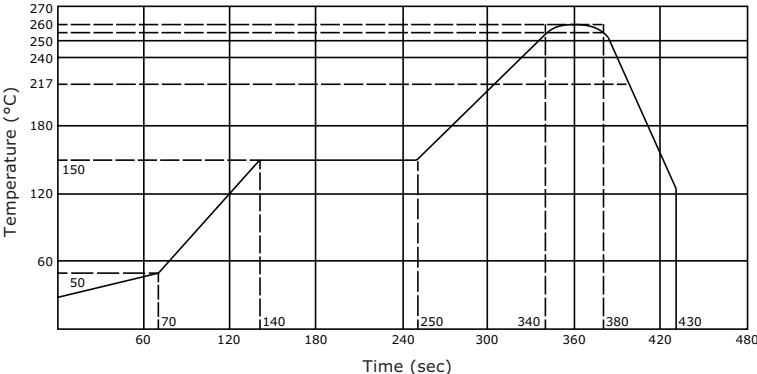
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5	A
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering ¹	see reflow profile	255	260	265	°C
drying conditions ²	parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10 hours				

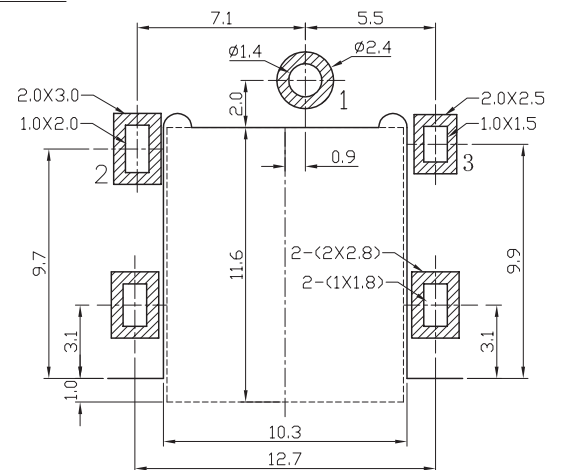
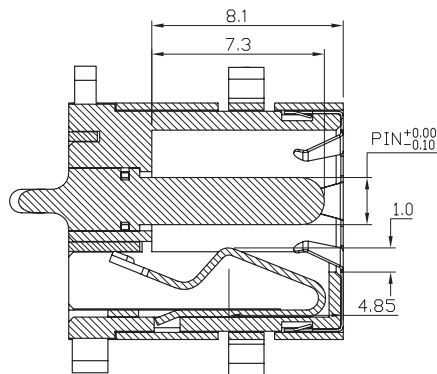
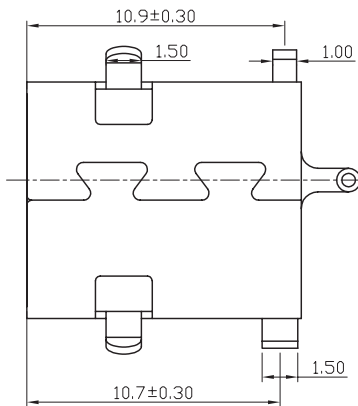
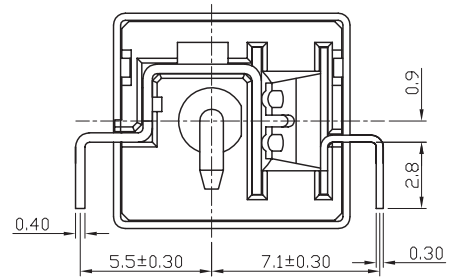
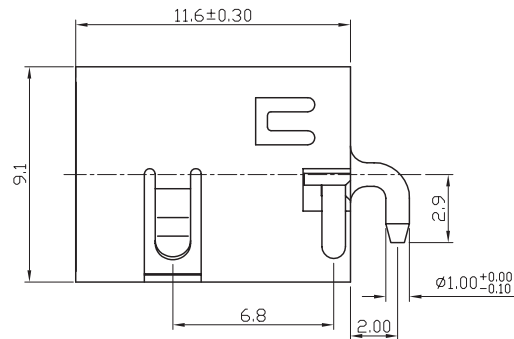
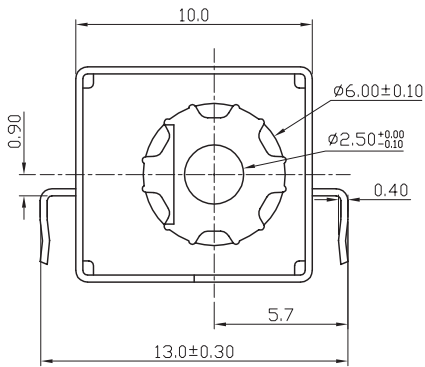
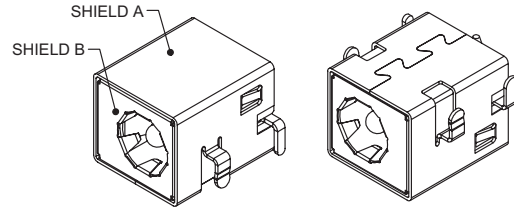
Note: 1. Same Sky recommends to solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <80%.
2. When exceeding floor life by >72 hours.



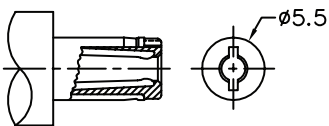
MECHANICAL DRAWING

units: mm
tolerance:
X. ± 0.50 mm
X.X ± 0.30 mm
X.XX ± 0.20 mm
X.XXX ± 0.10 mm
PCB: ± 0.05 mm
unless otherwise specified

DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	zinc alloy	nickel
terminal 1	zinc alloy	nickel
terminal 2	bronze t=0.30	silver
terminal 3	brass t=0.40	silver
shield-A	iron t=0.30	nickel
shield-B	SUS301 t=0.10	
housing	PA9T [UL94V-0]	black



Recommended PCB Layout Top View



MATING PLUG
Jack Insertion Depth: 8.1 mm

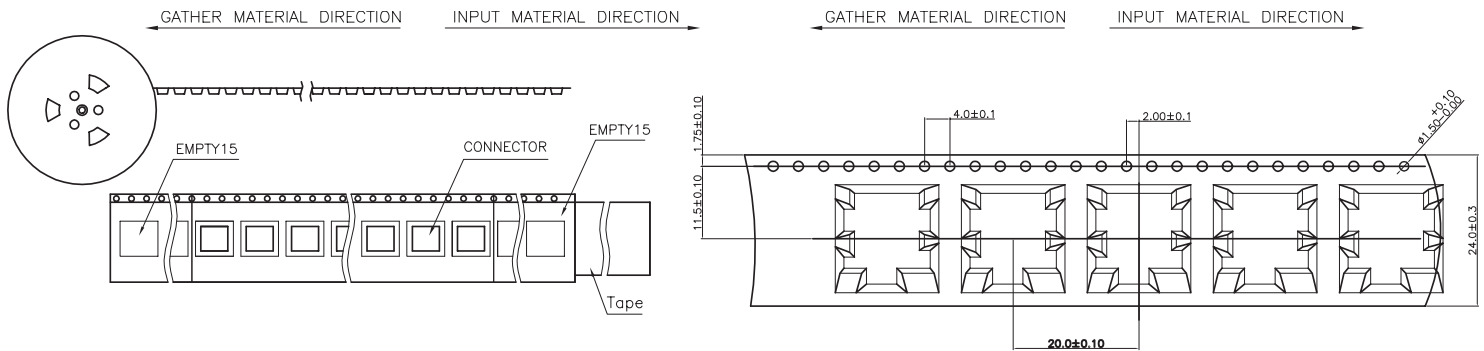
SCHEMATIC	
Model	PJ-068B-SMT
Center Pin	Ø2.5 mm

PACKAGING

units: mm

Reel Size: $\varnothing 330$ mm

Reel QTY: 300 pcs per reel



300pcs/reel



REVISION HISTORY

rev.	description	date
1.0	initial release	05/04/2011
1.01	updated spec, added jack insertion depth	10/23/2012
1.02	added TR package option	11/29/2012
1.03	increased voltage rating	05/09/2016
1.04	added storage and drying conditions, and tape and reel packaging details	10/17/2017
1.05	brand update	10/30/2019
1.06	product reengineered for improved manufacturability and production yield, see PCN for details	01/17/2023
1.07	CUI Devices rebranded to Same Sky	09/12/2024

The revision history provided is for informational purposes only and is believed to be accurate.



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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